



TROPICAL CYCLONE BULLETIN NR. 13
Typhoon HANNA (HAIKUI)

Issued at 11:00 PM, 02 September 2023

Valid for broadcast until the next bulletin at 5:00 AM tomorrow.

TYPHOON HANNA MAINTAINS ITS STRENGTH AS IT MOVES OVER THE SEA EAST OF TAIWAN

Location of Center (10:00 PM)	
The center of the eye of Typhoon HANNA was estimated based on all available data at 295 km Northeast of Itbayat, Batanes (22.6°N, 123.9°E)	
Intensity	
Maximum sustained winds of 140 km/h near the center, gustiness of up to 170 km/h , and central pressure of 965 hPa	
Present Movement	
West Northwestward at 20 km/h	
Extent of Tropical Cyclone Winds	
Strong to typhoon-force winds extend outwards up to 400 km from the center	

TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 AM 03 September 2023	22.8	122.3	230 km North Northeast of Itbayat, Batanes	150	TY	W 20
24-Hour Forecast 8:00 PM 03 September 2023	22.9	120.9	255 km North Northwest of Itbayat, Batanes or in the vicinity of Taitung County, Taiwan	130	TY	W 10
36-Hour Forecast 8:00 AM 04 September 2023	23.1	119.9	325 km Northwest of Itbayat, Batanes (OUTSIDE PAR)	100	STS	WNW 10
48-Hour Forecast 8:00 PM 04 September 2023	23.3	119.0	405 km Northwest of Itbayat, Batanes (OUTSIDE PAR)	85	TS	WNW 10
60-Hour Forecast 8:00 AM 05 September 2023	23.5	118.4	465 km Northwest of Itbayat, Batanes (OUTSIDE PAR)	75	TS	WNW slowly
72-Hour Forecast 8:00 PM 05 September 2023	23.7	117.8	525 km Northwest of Itbayat, Batanes (OUTSIDE PAR)	65	TS	WNW slowly
96-Hour Forecast 8:00 PM 06 September 2023	24.1	116.7	645 km Northwest of Itbayat, Batanes or in the vicinity of Guangdong, China (OUTSIDE PAR)	45	TD	WNW slowly
120-Hour Forecast 8:00 PM 07 September 2023	24.5	115.8	745 km Northwest of Itbayat, Batanes or in the vicinity of Guangdong, China (OUTSIDE PAR)	-	LOW	WNW slowly



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1	Batanes	-	-
Wind threat: Strong winds	Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property		

HAZARDS AFFECTING LAND AREAS
<p><u>Heavy Rainfall Outlook</u></p> <p>Forecast accumulated rainfall for tomorrow</p> <ul style="list-style-type: none"> • 50-100 mm: Batanes <p>Forecast rainfall are generally higher in elevated or mountainous areas. Under these conditions, flooding and rain-induced landslides are possible especially in areas that are highly or very highly susceptible to these hazards as identified in hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.</p> <p>The Southwest Monsoon currently enhanced by HANNA will bring occasional to monsoon rains over the western portion of Luzon and Antique in the next three days. For more information, refer to Weather Advisory #19 for Southwest Monsoon issued at 11:00 PM today.</p>
<p><u>Severe Winds</u></p> <p>The wind signals warn the public of the general wind threat over an area due to the tropical cyclone. Local winds may be slightly stronger/enhanced in coastal and upland/mountainous areas exposed to winds. Winds are less strong in areas sheltered from the prevailing wind direction.</p> <ul style="list-style-type: none"> • Minimal to minor impacts from strong winds are also possible within any of the areas under Wind Signal No. 1. <p>The enhanced Southwest Monsoon will continue to bring gusty conditions over the following areas not under any Wind Signal, especially in coastal and upland/mountainous areas exposed to winds:</p> <ul style="list-style-type: none"> • Tonight and tomorrow: Babuyan Islands, Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Zambales, Pampanga, Bataan, Aurora, Bulacan, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, and the northern portion of Eastern Visayas. • Monday: Batanes, Babuyan Islands, Ilocos Region, Abra, Benguet, Apayao, Nueva Vizcaya, Zambales, Pampanga, Bataan, Aurora, Bulacan, Metro Manila, CALABARZON, and most of Bicol Region, MIMAROPA, and Western Visayas. • Tuesday: Batanes, Babuyan Islands, Ilocos Region, Zambales, Bataan, Cavite, the northern portion of Quezon, Lubang Island, Romblon, and Kalayaan Islands.



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HAZARDS AFFECTING COASTAL WATERS

A **Gale Warning is in effect** for the northern and western seaboard of Luzon, the eastern seaboard of Central and Southern Luzon, portions of seaboard of Northern Quezon, the southern seaboard of Southern Luzon, and the western seaboard of Visayas due to the combined influence of HANNA and the enhanced Southwest Monsoon. **Disruption in civilian maritime activities is expected over these areas (e.g., suspension of sea travel) due to hazardous sea condition.** For more information, refer to **Gale Warning #22** issued at 5:00 PM today.

TRACK AND INTENSITY OUTLOOK

- HANNA is forecast to move west northwestward or westward while intensifying until it makes landfall along the east coast of southern Taiwan tomorrow afternoon or evening. Considerable weakening is expected as a result of HANNA crossing the rugged landmass of Taiwan. On the forecast track, HANNA will exit the Philippine Area of Responsibility and emerge over the Taiwan Strait around Monday morning.
- Outside the PAR region, HANNA will become slow-moving or almost stationary over the Taiwan Strait while continuously weakening due to land interaction and increasingly unfavorable environment. It is forecast to make its final landfall along the coast of Guangdong, China on late Tuesday or early Wednesday as a tropical storm. HANNA may weaken into a remnant low on Thursday.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 5:00 AM tomorrow.

DOST-PAGASA